

JOINT USERS RESOURCE ALLOCATION PLANNING COMMITTEE

Resource Analysis Team

June 19, 2008

LaMont Fairley



MID-RANGE SCHEDULING STATUS

◆ RESOURCE NEGOTIATION STATUS

- 2008 WEEKS 36 - 37 (THRU 09/14/2008) HAVE BEEN RELEASED TO DSN SCHEDULING AS OF 06/18/2008.
- 2008 WEEKS 41 - 42 (THRU 10/19/2008) WERE RELEASED TO THE REMOTE USERS ON 06/12/2008.
- 2008 WEEKS 38 - 40 (THRU 10/05/2008) HAVE REMAINING FACILITY AND EQUIPMENT CONFLICTS.

- ◆ The Mid-Range Scheduling process has schedule 18 weeks ahead of real-time. Currently, there are 12 weeks of conflict-free schedules. Conflict resolution is required for the following four weeks: 09/22/2008 through 10/19/2008.

ON-GOING SPECIAL STUDIES/ACTIVITIES

- SOHO Bogart Mission supportability study was requested to forecast the DSN's ability to provide support to the proposed mission from January 1, 2010 to December 31, 2013

Summary results: Supportability can be achieved using combinations of the 34M BWG1 subnet or DSS-27,45,65 antennas.

– Ongoing / Approved Projects –

Project	Acronym	Launch or Start	EOPM	EOEM
DSN Antenna Calibration	DSN	--	--	--
DSS Maintenance	DSS	--	--	--
DSN ZDD Calibration	DSN	--	--	--
Reference Frame Calibration (Cat M&E and Clock Sync)	DSN	10/01/01	09/30/20	12/31/30
Voyager 2	VGR2	08/20/77	10/15/89	12/31/13
Voyager 1	VGR1	09/05/77	12/31/80	12/31/13
Goldstone Solar System Radar	GSSR	10/01/88	09/30/20	12/31/30
European and Global VLBI Systems	EGS	10/01/88	09/30/20	12/31/30
Ulysses	ULYS	10/06/90	09/11/95	01/06/08
Geotail	GTL	07/24/92	07/24/95	10/01/09
Space Geodesy Programme	SGP	05/01/93	09/30/20	12/31/30
Wind	WIND	11/01/94	11/01/97	11/30/13
Ground Based Radio Astronomy	GBRA	10/01/95	09/30/20	12/31/30
SOHO	SOHO	12/02/95	05/02/98	12/31/13
Advanced Composition Explorer	ACE	08/25/97	02/01/01	08/31/13
Advanced Tracking and Observational Techniques (ATOT)	ATOT	10/01/97	09/30/20	12/31/30

– Ongoing / Approved Projects –

Project	Acronym	Launch or Start	EOPM	EOEM
Cassini	CAS	10/15/97	06/30/08	06/30/10
Chandra X-Ray Observatory	CHDR	07/23/99	09/30/14	09/30/19
Cluster 2 - S/C #2 (Samba)	CLU2	07/16/00	02/15/03	09/30/11
Cluster 2 - S/C #3 (Rumba)	CLU3	07/16/00	02/15/03	09/30/11
Cluster 2 - S/C #1 (Salsa)	CLU1	08/09/00	02/15/03	09/30/11
Cluster 2 - S/C #4 (Tango)	CLU4	08/09/00	02/15/03	09/30/11
Mars Odyssey 2001	M01O	04/07/01	08/24/04	12/31/10
Wilkinson Microwave Anisotropy Probe	WMAP	06/30/01	10/01/03	09/30/10
International Gamma Ray Astrophysics Lab	INTG	10/17/02	12/18/04	12/31/12
Hayabusa (MUSES - C)	MUSC	05/09/03	06/10/10	- - -
Mars Express Orbiter	MEX	06/02/03	02/11/06	05/01/09
Spirit (Mars Exploration Rover - A)	MER2	06/10/03	04/06/04	09/30/08
Opportunity (Mars Exploration Rover - B)	MER1	07/07/03	04/27/04	09/30/08
Spitzer Space Telescope (SIRTF)	STF	08/25/03	05/31/09	05/31/14
Rosetta	ROSE	02/26/04	12/31/15	- - -
Messenger	MSGR	08/03/04	03/19/12	- - -
Mars Reconnaissance Orbiter	MRO	08/12/05	12/31/10	12/31/15

– Ongoing / Approved Projects –

Project	Acronym	Launch or Start	EOPM	EOEM
Venus Express	VEX	11/09/05	09/24/07	05/01/09
New Horizons	NHPC	01/19/06	04/17/16	TBD
Stereo Ahead	STA	10/26/06	01/22/09	01/22/12
Stereo Behind	STB	10/26/06	01/22/09	01/22/12
EPOXI (Deep Impact)	DIF	07/03/07	12/14/10	- - -
NExT (Stardust)	SDU	07/03/07	02/27/11	- - -
Phoenix	PHX	08/04/07	08/31/08	10/30/08
Kaguya (SELENE)	SELE	09/14/07	11/21/08	TBD
Dawn	DAWN	09/27/07	07/04/15	TBD
Chandrayaan - 1	CH1	09/19/08	04/09/09	04/09/10
GOES-O	GO14	12/12/08	04/21/13	TBD
Lunar Reconnaissance Orbiter	LRO	11/24/08	11/30/09	TBD
Lunar Crater Observation and Sensing Satellite (LCROSS)	LCRO	11/24/08	02/05/09	- - -
Kepler	KEPL	02/16/09	09/16/12	TBD
Mars Science Laboratory 2009	MSL	09/15/09	03/04/12	TBD

– Advanced / Planning Projects –

Project	Acronym	Launch or Start	EOPM	EOEM
Juno	JUNO	08/08/11	10/20/18	TBD
Gravity Recovery and Interior Laboratory-A (GRAIL-A)	TBD	09/09/11	05/27/12	TBD
Gravity Recovery and Interior Laboratory-B (GRAIL-B)	TBD	09/09/11	05/27/12	TBD
Discovery-13	TBD	01/01/13	TBD	TBD
James Webb Space Telescope	JWST	06/15/13	02/28/19	TBD
Mars Scout 2013 (TBS)	M13S	10/31/13	12/30/16	TBD
Magnetospheric Multiscale	MMS	10/01/14	12/31/17	TBD
Discovery-14	TBD	01/01/15	TBD	TBD
New Frontiers-3	TBD	01/01/15	TBD	TBD
Outer Planet-1	TBD	01/01/15	TBD	TBD
Beyond Einstein-1	TBD	01/01/16	TBD	TBD
Discovery-15	TBD	01/01/17	TBD	TBD